

**Listing of Claims:**

1. (currently amended) A medical apparatus comprising at least one surface which is at least partially coated with a hydrolytically condensed organosilane sol-gel composition,  
wherein the organosilane composition provides iodine resistance comprises tetraethoxysilane, methyltrimethoxysilane, and an organic, polymerizable substituent.
2. (previously amended) The medical apparatus according to claim 1, wherein the sol-gel material is formed from an organosilane compound and water.
3. (previously amended) The medical apparatus according to claim 1, wherein the sol-gel material is formed from an organosilane compound and silica particles.
4. (cancelled)
5. (previously amended) The medical apparatus according to claim 1, wherein the coating can be cured at a curing temperature of about 80°C or lower.
6. (previously amended) The medical apparatus according to claim 1, wherein the sol-gel is formed from an acid chosen from the group comprising malonic acid, dimethylmalonic acid and itaconic acid.
7. (previously amended) The medical apparatus of claim 1, wherein said surface is a tabletop of a diagnostic system.

8. (currently amended) A medical apparatus comprising at least one surface which includes a hydrolytically condensed organosilane sol-gel iodine-resistant coating comprised from a material with the formula  $\text{SiX}_p\text{Y}_q\text{Z}_r$ , wherein X is a hydrolytically condensable substituent, Y is a polymerizable substituent R-A, wherein R is an alkylene or arylalkylene, and A is selected from the group comprising halogen, amino, amide, aldehyde, alkylcarbonyl, carboxy, thio, cyano, alkoxy, alkoxy carbonyl, sulfonic acid, phosphoric acid, acryloxy, methacryloxy, epoxy or vinyl, and Z is a hydrolytically non-condensable and non-polymerizable substituent, and wherein p is equal to 2, 3, or 4, q is equal to 0, 1, or 2, and r is equal to 0 or 1, and

wherein the organosilane composition comprises tetraethoxysilane, methyltrimethoxysilane, and an organic, polymerizable substituent.

9. (cancelled)

10. (cancelled)

11. (previously amended) The medical apparatus of claim 8 wherein  $p+q$  is greater than 2 and  $p+q+r$  is equal to 4.

12. (previously presented) The medical apparatus of claim 8, wherein said at least one surface is a tabletop of a diagnostic system.

13. (currently amended) A process for making medical equipment resistant to iodine comprising coating one or more surfaces with a hydrolytically condensed

organosilane sol-gel composition, wherein the organosilane composition comprises tetraethoxysilane, methyltromethoxysilane, and an organic, polymerizable substituent.

14. (previously amended) The process of claim 13 wherein said sol-gel material is a glossy material comprising:

demi-water,  
itaconic acid,  
ethyl alcohol,  
tetraethoxysilane,  
glycidoxypopyl trimethoxysilane,  
silica dispersion, and  
wetting agent.

15. (previously presented) The process of claim 13 wherein said sol-gel material is a matte material comprising:

demi-water,  
itaconic acid,  
ethyl alcohol,  
tetraethoxysilane,  
glycidoxypopyl trimethoxysilane,  
silica dispersion  
matting agent, and  
wetting agent.